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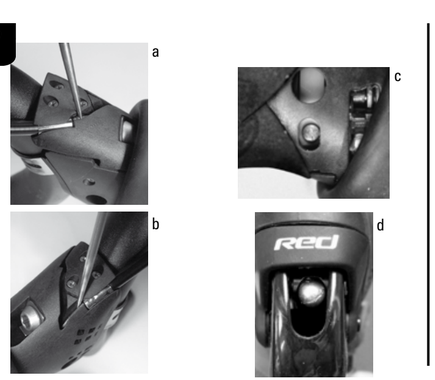
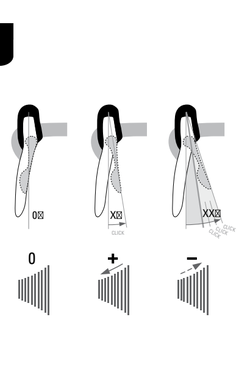
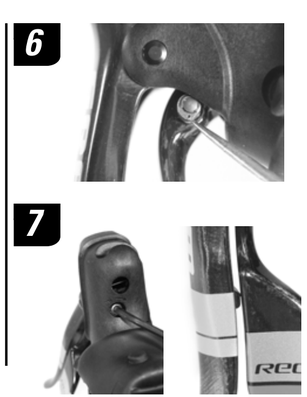
DoubleTap® Integrated Brake Shifter







ENGLISH

DoubleTap® Integrated Brake Shifter User Manual

COMPATIBILITY

SRAM DoubleTap® Integrated Brake Shifters are designed for use with:

- Rear derailleurs: SRAM Exact Actuation Ratio
- Front derailleurs: SRAM Road
- Brakes: SRAM Dual Pivot road calipers, Avid BB7 and BB5 road calipers, Avid Shorty cantilevers, and most common road brake calipers
- Shifter cable: high quality 1.1 mm shifting cable and 4 or 5 mm compressionless housing with non-sealed end caps of maximum diameter 5.8 mm and maximum length 16 mm
- Brake cable: high quality 1.6 mm brake cable with road-style cable end and brake cable housing with ferrules

TOOLS AND SUPPLIES

- Safety glasses
- Torque wrench
- 3 and 5 mm hex wrenches
- Cable cutters
- Grease

INSTALLATION

1 Pull the shifter hood cover back by hand and slide the shifter onto the handlebar. Tighten the 5 mm hex clamp bolt to 6-8 N·m (53-70 in-lb).

2 Select the shift cable routing that works best for your handlebar (Fig. 2a or 2b).
Note: There is no need to remove the three cover screws or disassemble the shifter.

- Measure and install the shift and brake cable housing and ferrules.
- Insert the shift cable through the shift cable housing using a pick to guide the cable. Pull the shift cable snug, making sure the cable end fitting is fully seated in the shifter spool (Fig. 2c).
- Insert the brake cable through the brake cable housing. Pull the brake cable snug, making sure the cable head is fully seated in the counter-sunk hole of the cable holder. (Fig. 2d).

ADVICE
Red only: When using the GORE™ RideOn® cable housing system use the non-nosed housing ferrules at the shifter and derailleur. Use the nosed housing ferrules at the frame cable stops. Do not use grease, oil, or any other lubricant with the GORE™ RideOn® cable system.

- Replace the hood cover. Ensure that all of the keys in the hood cover are properly engaged with the hood body.

3 Ensure the front shifter is fully released in the easiest (lowest) gear and the rear shifter is in the hardest (highest) gear. Attach the front and rear shift cables to the front and rear derailleur respectively. Adjust the shifting according to your derailleur instructions.

4 Attach the front and rear brake cable to the front and rear brake caliper respectively. Adjust the caliper according to your brake caliper instructions.

CAUTION
Always check the front and rear brake levers for proper operation.

USE

5 **Rear Shifter:** To upshift to a harder (higher) gear, push the small shift paddle inward slightly, until you hear or feel a click. To downshift to an easier (lower) gear, push the same small shift paddle further inward, until you hear or feel a second click. You can downshift as many as three gears in one push.

Front Shifter: To upshift from the small chainring to the big chainring push the small shift paddle inward all the way. To downshift from the big chainring to the small chainring push the same shift paddle mid-way until you hear or feel a solid click.

Note: To minimize chain rub in extreme gear positions the front shifter provides a front derailleur trim feature when it is in the large chain ring position. To move the front derailleur to the trim position push the small shift paddle inward slightly until you hear or feel a small click.

REACH ADJUST

The reach of the shift paddles and brake levers can be individually adjusted to better fit your hand size.

ADVICE
Adjust the reach on the shift paddle first, then adjust the brake lever until the brake lever bumper contacts the shift paddle. This will ensure the brake lever does not interfere with the return action of the shift paddle.

6 To adjust the shift paddle reach push the shift paddle inboard to access the reach adjust cam. Using a pick or your fingernail, push the cam in and rotate it counter-clockwise to move the shift paddle closer to the handlebar. There are six adjustment positions.

7 To adjust the brake lever pull the shifter hood cover back by hand. Using a 3 mm hex wrench, turn the reach adjust bolt clockwise to move the brake lever closer to the handlebar. Continue to adjust the brake lever until the brake lever bumper contacts the shift paddle. Replace the hood cover. Ensure that all of the keys in the hood cover are properly engaged with the hood body.

CAUTION
Always check the front and rear brake levers for proper operation.

SHIFTER CABLE CHANGE

ADVICE
Leave the integrated brake shifter on the handlebar. Use only new cables and housing.

8 Ensure the front shifter is in the easiest gear and the rear shifter is in the hardest gear.

- Detach the cable from the front and rear derailleurs.
- Pull the shifter hood cover back by hand.
- Push the shift cable out of the shifter and discard.
- Insert the new shift cable through the shifter and shift cable housing using a pick to guide the cable.
- Pull the shift cable snug, making sure the cable end fitting is fully seated in the shifter spool.
- Replace the hood cover. Ensure that all of the keys in the hood cover are properly engaged with the hood.

IMPORTANT
Ensure the shift cable end fitting is fully seated in the shifter spool. Failure to seat the cable end fitting fully in the spool can lead to erratic shifting and may damage the shifter spool.

9 Attach the front and rear shift cables to the front and rear derailleur respectively. Adjust the indexing according to the derailleur manufacturer's instructions.

BRAKE CABLE CHANGE

ADVICE
Leave the integrated brake shifter on the handlebar. Use only new brake cables and housing.

10 Detach the brake cable from the brake caliper.
Actuate the brake lever and push the brake cable out of the brake and discard.

Force, Rival, and Apex only: Apply a small amount of grease onto the counter-sunk side (Fig. 10e) and the pivot points (Fig. 10f) of the brake cable holder.

- Insert the new brake cable through the counter-sunk hole of the cable holder and cable housing.
- Pull the brake cable snug, making sure the cable head is fully seated in the cable holder.

11 Attach the front and rear brake cable to the front and rear brake caliper respectively. Adjust the caliper according to the brake caliper instructions.

MAINTENANCE

Use only water and a mild soap to clean the integrated brake shifter. Do NOT use a pressure washer.

Regularly inspect bolt torque. You should never ride with a loose integrated brake shifter.

Regularly inspect components for signs of damage or fatigue. Always inspect components for damage after any crash.

Signs of damage or fatigue include, but are not limited to cracks, dents, deformation, discoloration, deep scratches, or audible creaking. **Discontinue use and replace any parts that show signs of damage or fatigue.** Do not attempt to repair parts. If you are unsure of the integrity of your integrated brake shifter, have it inspected by your SRAM dealer.

SRAM LLC WARRANTY

EXTENT OF LIMITED WARRANTY
SRAM warrants its products to be free from defects in materials or workmanship for a period of two years after original purchase. This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made through the retailer where the bicycle or the SRAM component was purchased. Original proof of purchase is required.

LOCAL LAW
This warranty statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state (USA), from province to province (Canada), and from country to country elsewhere in the world.

To the extent that this warranty statement is inconsistent with the local law, this warranty shall be deemed modified to be consistent with such law, under such local law, certain disclaimers and limitations of this warranty statement may apply to the customer. For example, some states in the United States of America, as well as some governments outside of the United States (including provinces in Canada) may:

a. Preclude the disclaimers and limitations of this warranty statement from limiting the statutory rights of the consumer (e.g. United Kingdom).
b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations.

LIMITATIONS OF LIABILITY
To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, In no event shall SRAM or its third-party suppliers be liable for direct, indirect, special, incidental, or consequential damages.

LIMITATIONS OF WARRANTY
- This warranty does not apply to products that have been incorrectly installed and/or adjusted according to the respective SRAM technical installation manual. The SRAM installation manuals can be found online at www.sram.com, www.rockshox.com or www.avidbike.com.
- This warranty does not apply when the product has been modified.
- This warranty does not apply when the serial number or production code has been deliberately altered, defaced or removed.
- This warranty does not apply to damage to the product caused by a crash, impact, abuse of the product, non-compliance with manufacturer's specifications of usage or any other circumstances in which the product has been subjected to forces or loads beyond its design.
- This warranty does not apply to normal wear and tear. Wear and tear parts are subject to damage as a result of normal use, failure to service according to SRAM recommendations and/or riding or installation in conditions or applications other than recommended.

WEAR AND TEAR PARTS ARE IDENTIFIED AS:
Dust seals/Bushings/Air sealing o-rings/Glide rings/Rubber moving parts/Foam rings/Rear shock mounting hardware and main seals/Stripped threads and bolts (aluminum, titanium, magnesium or steel)/Upper tubes (stanchions)/Brake sleeves/Brake pads/Chains/Sprockets/Cassettes/Shifter and brake cables (inner and outer)/Handlebar grips/Shifter grips/Jockey wheels/Disc brake rotors/Wheel braking surfaces/Bottomout pads/Bearings/Bearing races/Pawls/Transmission gears/Tools

- This warranty shall not cover damages caused by the use of parts of different manufacturers.
- This warranty shall not cover damages caused by the use of parts that are not compatible, suitable and/or authorized by SRAM for use with SRAM components.
- This warranty shall not cover damages resulting from commercial (rental) use.